



199293

## Sequence Listing

<110> Buchanan, F.  
<110> Thue, T.D.  
<110> Winkelman-Sim, D.  
<120> CRH and POMC Effects on Animal Growth  
<130> 1696-04-02  
<141> March 31, 2004  
<160> Number of SEQ ID NOS: 9  
<170> Microsoft Office 2004; Windows XP Professional O/S.

<210> SEQ ID NO: 1  
<211> LENGTH: 584 base pairs  
<212> TYPE: DNA  
<213> ORGANISM: Bos taurus  
<220> FEATURE: SNPs present at nucleotides 22 ("CRH4"), 145 ("CRH45") and 240 ("CRH77").  
<223> OTHER INFORMATION: GenBank Accession AF340152

<400> SEQUENCE 1  
1 cgcccgctaa aatgcgactg ccgctgctcg tgtccgtggg cgtcctgctg gtggctctgc  
61 tgccctcccc gccatgcagg gccctcctca gccggggggc catcccgggt gcccggcagg  
121 catcacagca cccccagccc ctgagtttct tccagccgcc gccgcagccc caggaacccc  
181 aggctctgcc caccctactc cgtgttgggg aggaatactt cctccgcctg ggtaacctcg  
241 atgagaccgg ggctgctccs ctctctcccc ccgcctcgcc tctcgccagc agaagcagca  
301 gtcgcctttc tccggacaag gtggcccgca actttttccg agcgtgctg cagccccggc  
361 gccattcga cagcccagcg ggtcccgcgg aacgcggcac ggagaacgcc ctccgcagcc  
421 gccaggaggc gccggccgcc aggaagaggc gatccagga acctccatc tccctggatc  
481 tcaccttcca ctcctccga gaagtcttgg aaatgaccaa ggccgatcag ttagcacagc  
541 aagctcatar caayaggaaa ctgttggaac ttgctgggaa atga

<210> SEQ ID NO: 2  
<211> LENGTH: 1002 base pairs  
<212> TYPE: DNA  
<213> ORGANISM: Bos taurus  
<220> FEATURE: SNP at position 254  
<223> OTHER INFORMATION: GenBank Accession J00021

<400> SEQUENCE 2  
1 gcggagggag tggaaggctc aggcggcgcg cttgaggggc ggggtgaacgc cgcggcctgg  
61 agtgggcggg gcctgacgcg ctctgccgct ctccgcaggg gtgcatccgg gcctgcaagc  
121 ccgacctctc cgccgagacg ccggtgttcc ccggcaacgg cgatgagcag ccgctgactg  
181 agaacccccg gaagtacgtc atggggccatt tccgctggga ccgcttcggc cgtcgggaatg  
241 gtagcagcag cagcggagtt gggggcgcg cccagaagcg cgaggaggaa gtggcgggtg  
301 gcgaaggccc cgggccccgc ggcgatgacg ccgagacggg tccgcgcgag gacaagcggt  
361 cttactccat ggaacacttc cgctggggca agccgggtgg caagaagcgg cgccccgtga  
421 aggtgtacc caacggcgcc gaggacgagt cggcccaggc ctttccccct gaattcaaga  
481 gggagctgac cggggagagg ctcgagcagg cgcgcgggcc cgaggcccag gctgagagtg  
541 cggccgcccc ggctgagctg gagtatggcc tgggtggcgg ggcggaggct gaggcggccg  
601 agaagaagga ctcgggggccc tataagatgg aacacttccg ctggggcagc ccgcccgaag  
661 acaagcgcta cggcggggtc atgacctccg agaagagcca aacgccccct gtcacgctgt  
721 tcaaaaacgc catcatcaag aacgcccaca agaagggcca gtgaggggcg agcgggcagg  
781 ggcctctctc cgcggaaagt tgacctgaa ggctctctct ctgcccctct accgcctcgc  
841 agcctgggtg aggattcgcc caggcagtga tggcgccagg tatcccgact cttaaagctg  
901 tctgtagtta agaaataaaa cctttcaagt ttacgaata ttgactgggt gaattaaaaa  
961 cgcatttcca tcaagtaaag ggcagtagat attggagggg cg

<210> SEQ ID NO: 3

199293

<211> LENGTH: 1809 base pairs  
 <212> TYPE: DNA  
 <213> ORGANISM: Bos taurus  
 <223> FEATURE: SNP at position 1069  
 <223> OTHER INFORMATION: Genbank Accession No. AF265221  
 <400> SEQUENCE 3

```

1   cagcctaaga tttccaagtg atgctgacca gagccacact tgaaagagac tgaaaacttc
61  ctttccagct ccggagcatg ggacatttat tcacagcagg catgccactc tccgccgcct
121 aactttcggt tggggcaagt caagactgga gaaagggtgct gaggctgcca gatccaggag
181 gttcagtcag tccagagggg acctgaatcc aaaatgaact ctaccagcc ccttgggatg
241 cacacctctc tccactcctg gaaccgcagc gccacaggaa tgcccaccaa tgtcagtga
301 tccctggcaa aaggctactc ggacgggggg tgctatgagc agctctttgt ctctcccag
361 gtgtttgtga ctctgggggt catcagcttg ttggagaata ttctggtgat cgtggccata
421 gccaagaaca agaactctga ctcacccatg tactttttca tctgcagcct ggctgtggct
481 gacatgttgg tgagcgtttc caacgggtcg gaaaccattg tcatcacctt gctgaacagc
541 acggacacgg acgcgcagag cttcacgggt gatattgaca atgtcattga ctcggtgatc
601 tgtagctcct tgcttgccct catctgcagc ttgctgtcga tcgcggtgga caggctactc
661 actatcttct atgcgctcca gtaccataac atcatgacgg tgaagcgggt ggcgatcacc
721 atcagcgcca tctgggcagc ctgcacgggt tcgggcgtct tgttcatcat ttactcagac
781 agcagtgtcg ttatcatctg cctcatcacc gtgttcttca ccatgctggc tctcatggcg
841 tctctctatg tccacatgtt cctcatggcc agactccaca ttaagaggat cgcggtcctg
901 ccaggtagcg gcaccatccg ccaggggcgc aacatgaagg gggcgattac cctgaccata
961 ctgatcgggg tctttgttgt ctgctgggcc ccttcttcc tgcacctgat attctacatc
1021 tcttgctccc agaaccata ctgtgtgtgt ttcattgtct actttaacct gtacctcatc
1081 ctcatcatgt gcaattccat cattgaccct ctgatttatg ccctgcggag ccaagaactg
1141 aggaaaacct tcaaagagat catttgttgc tctcctctag gtggcctctg tgatttgtct
1201 agcagatatt aaatggggac aaacgcgctg ctaaacacaa gcttaagaga ctttctcctt
1261 ctcatatgta caacctgaac agtctgtatc agccacagct ttttcttctg tgtagggcat
1321 ggagtgaaaa tttctattgt atcagttgaa gtttgtgatt ttttctgatg gtgaaacagt
1381 gccagtcctt ggtgtatttt taatgtcatg ctactttctg gctgtaaaat gtgaatccac
1441 atcacagggt ataggcacta tgcaattata aaaaaagaag aaaaaaagtc cttatgagga
1501 gtttaacagt gtttccttct tgttatttac aaggatgtga cactttgctt gcttttgtaa
1561 catggaaaac acagcttcat taagtatatc ctcataagtg gtttttttat gttatacttt
1621 acaacactga agtgtaaaaaa tttgattcta gcatttaggg gagaaatatt gagaacatat
1681 tgcttaatca taaaaaacia gctgaaatct caggtaattt aataagactt tctcattcat
1741 tcttcctgtg cagaagttga aatgaagcct gtattgggag aaaaacagtt acttaaaaaa
1801 aaaaaaaaaa
  
```

<210> SEQ ID NO: 4  
 <211> LENGTH: 22  
 <212> TYPE: DNA  
 <213> ORGANISM: Bos taurus  
 <223> OTHER INFORMATION: Forward primer for DNA amplification of sequences within  
 SEQ ID NO: 1.

<400> SEQUENCE 4  
 1 gcgcccgccta aaatgcgact ga 22

<210> SEQ ID NO: 5  
 <211> LENGTH: 20  
 <212> TYPE: DNA  
 <213> ORGANISM: Bos taurus  
 <223> OTHER INFORMATION: Reverse primer for DNA amplification; sequence is the  
 reverse complement of the corresponding sequence in SEQ ID NO: 1.

<400> SEQUENCE 5  
 1 ctgtgatgcc tgccgggcac 20

199293

<210> SEQ ID NO: 6  
<211> LENGTH: 21  
<212> TYPE: DNA  
<213> ORGANISM: Bos taurus  
>223> OTHER INFORMATION: Forward primer for DNA amplification of sequences within  
SEQ ID NO: 2.

<400> SEQUENCE 6  
1 cgtgcatccg ggcctgcaag c 21

<210> SEQ ID NO: 7  
<211> LENGTH: 23  
<212> TYPE: DNA  
<213> ORGANISM: Bos taurus  
<223> OTHER INFORMATION: Reverse primer for DNA amplification; sequence is the  
reverse complement of the corresponding sequence in SEQ ID NO: 2.

<400> SEQUENCE 7  
1 gtcagctccc tcttgaattc gag 23

<210> SEQ ID NO: 8  
<211> LENGTH: 20  
<212> TYPE: DNA  
<213> ORGANISM: Bos taurus  
<223> OTHER INFORMATION: Forward primer for DNA amplification of sequences within  
SEQ ID NO: 3.

<400> SEQUENCE 8  
1 taccctgacc atactgatcg 20

<210> SEQ ID NO: 9  
<211> LENGTH: 22  
<212> TYPE: DNA  
<213> ORGANISM: Bos taurus  
<223> OTHER INFORMATION: Reverse primer for DNA amplification; sequence is the  
reverse complement of corresponding sequence in SEQ ID NO: 3.

<400> SEQUENCE 9  
1 agagcaacaa atgatctctt tg 22